

# Biological Weapons Improved Response Program

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# Improved Response Program (IRP)

U.S. Army Soldier and Biological Chemical Command

**Developed out of Nunn-Lugar-Domenici Legislation (PL 104-201) to:**

- Provide enhanced support to *improve the capabilities of state and local* emergency response agencies to prevent and respond to terrorist incidents involving weapons of mass destruction at both the national and local levels
- Enhance the capability of the federal government to *prevent and respond* to such events





# Mission/Vision

U.S. Army Soldier and Biological Chemical Command

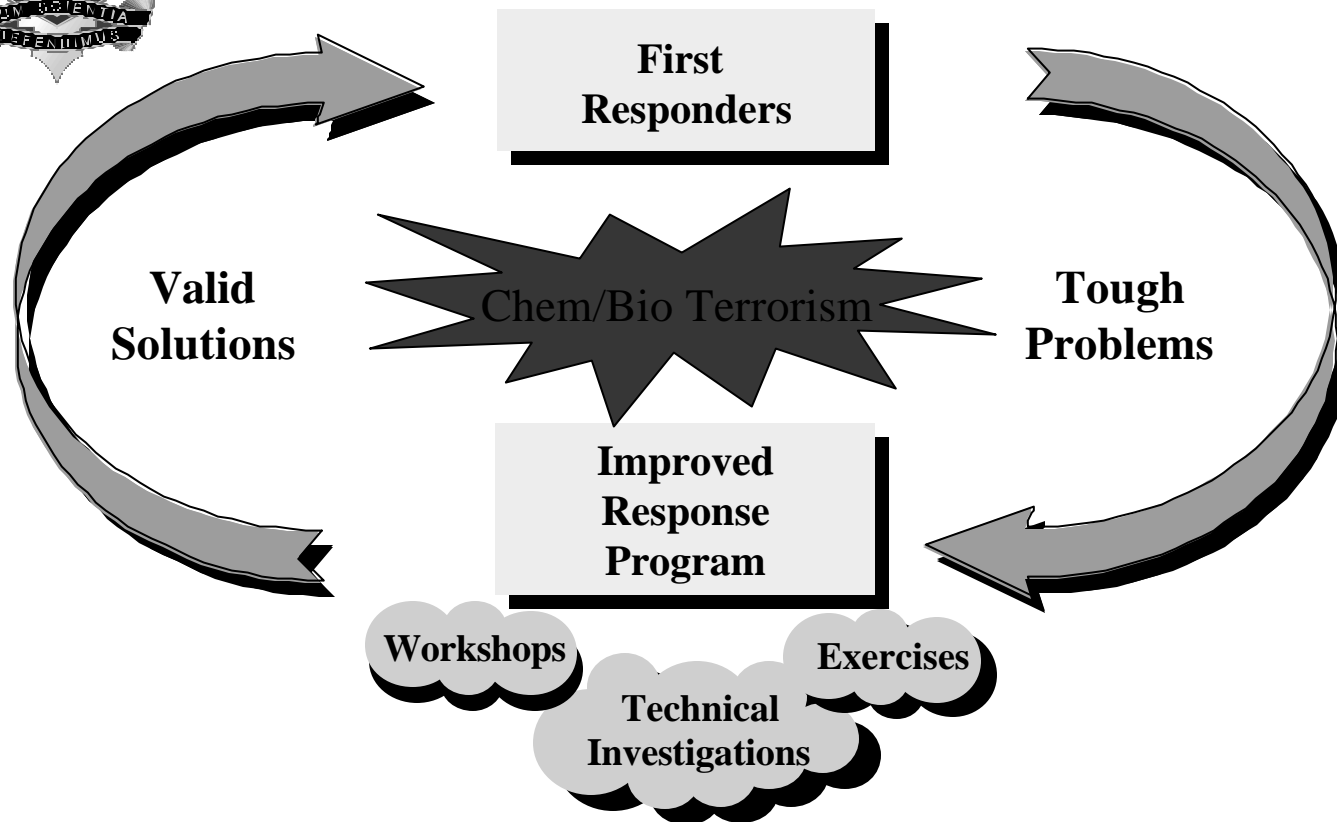
***Mission:*** To continually improve the capability of federal, state, and local emergency responders to respond to a biological or chemical terrorist attack or crisis directed at U.S. national interest, by applying unique CB defense science and technology

***Vision:*** To be the world leader in developing and applying improved approaches to responding to CB terrorism or other crises



# IRP Process

U.S. Army Soldier and Biological Chemical Command



*Enhance responder actions through systematic analysis of concepts, plans, procedures, and equipment*



# **Biological Weapons (BW) IRP**

**U.S. Army Soldier and Biological Chemical Command**

**A team of over 60 federal, state, and local responders and technical experts drawn from across the nation**

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- **Emergency responders and managers from:**  
**Colorado, Kansas, New York, Delaware, New Jersey, Texas, Florida, Maryland, Washington**
- **Federal agencies:**  
**USDA, DOE, DOD, PHS, CDC, EPA, FBI, FEMA**
- **National laboratories:**  
**Oak Ridge, Brookhaven, Los Alamos, Sandia, Lawrence Livermore, Pacific Northwest**



# **Biological Weapons (BW) IRP**

U.S. Army Soldier and Biological Chemical Command

- **Workshops:**
  - Identify critical response activities and gaps
  - Identify and document best practical approaches to BW response
- **Technical investigations:**
  - Explore possible solutions to response gaps
- **Field tests:**
  - Validate and demonstrate BW response model component concepts



# Biological Weapons (BW) IRP

U.S. Army Soldier and Biological Chemical Command

## Accomplishments:

- Completed an assessment of the BW response problem
- Formulated an integrated approach to BW emergency response
- Identified gaps and improvements in response capabilities



1	Medical Surveillance
2	Medical Diagnosis
3	Epidemiological Investigation
4	Criminal Investigation
5	Mass Prophylaxis
6	Residual Hazard Assessment and Mitigation
7	Control of Affected Area and Population
8	Care of Presented Casualties and Worried Well
9	Fatality Management
10	Emergency Management Operations
11	Logistic and Resource Support
12	Continuity of Critical Infrastructure
13	Family Support Services

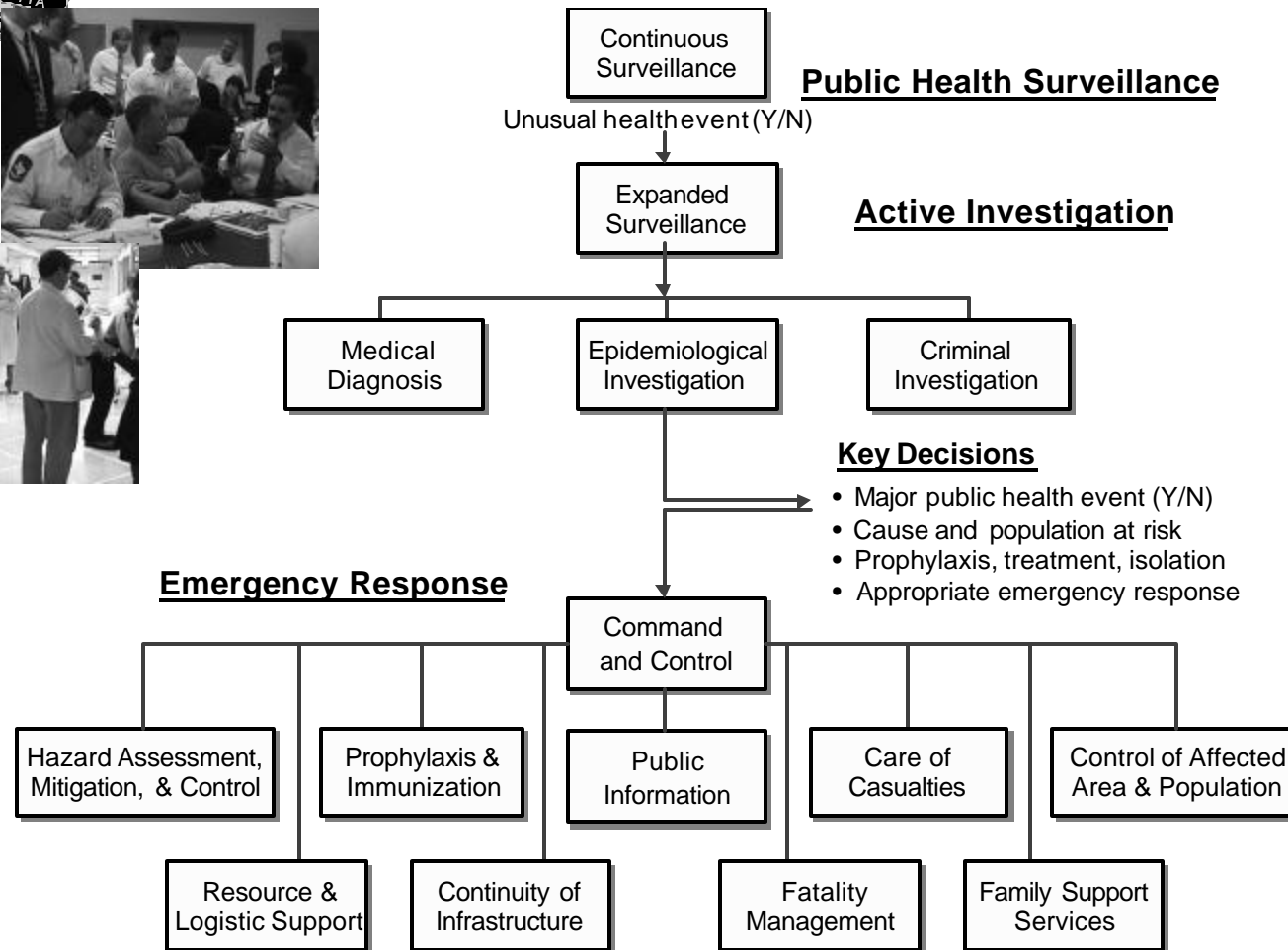
*Let the problem drive the solution*





# BW Response Template and Key Decisions

U.S. Army Soldier and Biological Chemical Command





# BW IRP Tasks

U.S. Army Soldier and Biological Chemical Command



- Mass prophylaxis
- Building protection
- Building decontamination
- Contagious workshop with CDC
- Epi/criminal investigation
- Planning guide for responding to BW incidents
- BW casualty projection methods
- Casualty spreadsheet report
- Modular Emergency Medical System (MEMS)
- Adapt template to military installations

# Conclusion



U.S. Army Soldier and Biological Chemical Command

**The Improved Response Program has provided civilian emergency managers and first responders logical response solutions that they can use as a starting point to improve their overall preparedness for chemical and biological terrorism**

